

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS D206-540 REV. I

REF CANADIAN STC: SH94-5

REF FAA STC: SR00386NY

REF GERMAN STC: LBA RC 1124

THIS DART SERVICE INSTRUCTION PROVIDES GUIDELINES TO REPLACE THE EXISTING HINGE PLATES WELDED ON THE BASKET BASE AND LID OF D206-540-011/-013 HELI-UTILITY-BASKET AT CHG 004/CHG 005 RESPECTIVELY WITH D3748-1 AND D3749-1 HINGE HALVES TO ELIMINATE POSSIBLE INTERFERENCE BETWEEN THE BASKET INSTALLATION AND THE CABIN DOOR.

REPLACEMENT PROCEDURE:

- 1) REMOVE PROP ARM FROM LID AND SEPERATE LID FROM BASE.
- 2) TRIM HINGE PLATES FLUSH TO LID/BASE FRAME AS SHOWN IN FIGURE 1. DEBURR.
- 3) REMOVE PAINT IN AREAS WHERE THE NEW D3748-1 (BASE) AND D3749-1 (LID) HINGE HALVES WILL BE WELDED. REFER TO VIEWS A-A AND B-B.
- 4) LOCATE QTY(3) D3748-1 ON BASE AS SHOWN IN VIEW A-A AND TIG WELD PER MIL-STD-2219/AMS-STD-2219 CLASS 'C' USING ER308L FILLER ROD.
- 5) POSITION AND CENTER LID ON BASE. SHIM LID BY 0.200". REFER TO VIEW B-B.
- 6) LOCATE QTY(3) D3749-1 ON LID AS FOLLOWS: CENTER D3749-1 HINGE HALF ON D3748-1 HINGE HALF LOCATED ON BASKET BASE ASSEMBLY AND TIG WELD PER MIL-STD-2219/AMS-STD-2219 CLASS 'C' USING ER308L FILLER ROD. REFER TO VIEW B-B.
- 7) TRANSFER DRILL Ø0.261" HOLE FROM D3748-1 TO D3749-1. DEBURR. REFER TO VIEW D-D.
- 8) TOUCH UP PAINT/AFFECTED REPAIRED AREAS ON BOTH LID AND BASE WITH ONE COAT OF MIL-P-85582 OR MIL-P-23377 PRIMER AND 2-3 COATS OF MIL-C-85285 POLYURETHANE PAINT TO MATCH ORIGINAL FINISH.
- 9) INSTALL LID ON BASE IN ACCORDANCE WITH FIGURE 2.
- 10) REFASTEN PROP ARM TO LID.

PARTS LIST:

Qty -011	Part No.	Description
X	DSI 9448-011	HINGE UPGRADE KIT
3	D3748-1	HINGE HALF
3	D3749-3	HINGE HALF
6	D3723-1	BUSHING
3	AN4-20A	BOLT
1	AN4-22A	BOLT
1	AN4-24A	BOLT
8	AN960JD416	WASHER
4	AN970-4	WASHER
5	MS21042L4	NUT (OR MS21042-4)
3	NAS43DD4-46	SPACER

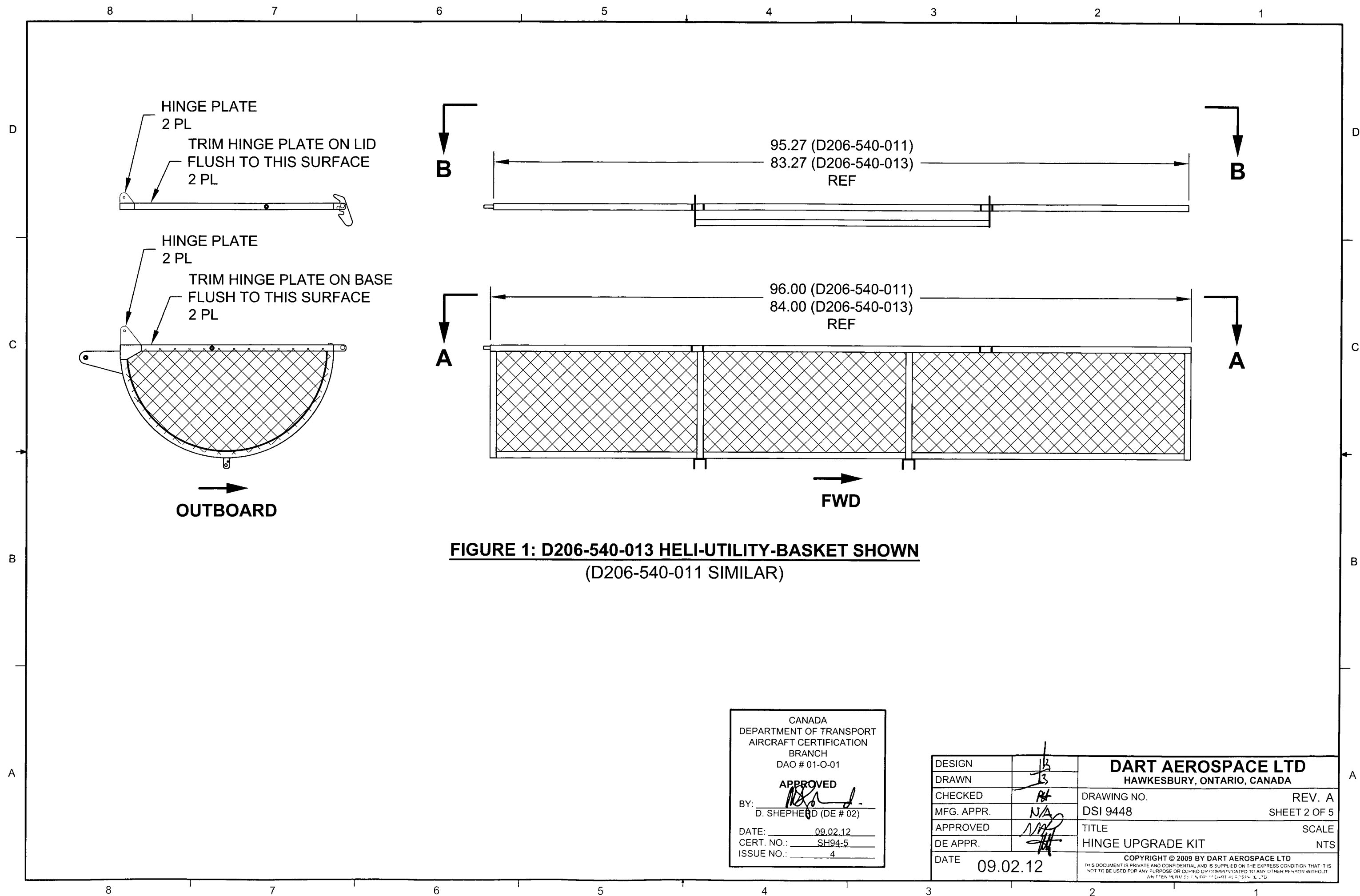
CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: 
D. SHEPHERD (DE # 02)

DATE: 09.02.12
CERT. NO.: SH94-5
ISSUE NO.: 4

A	NEW ISSUE	MB	09.02.12
REV.	DESCRIPTION	BY	DATE
DESIGN		DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
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CHECKED		DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9448	SHEET 1 OF 5
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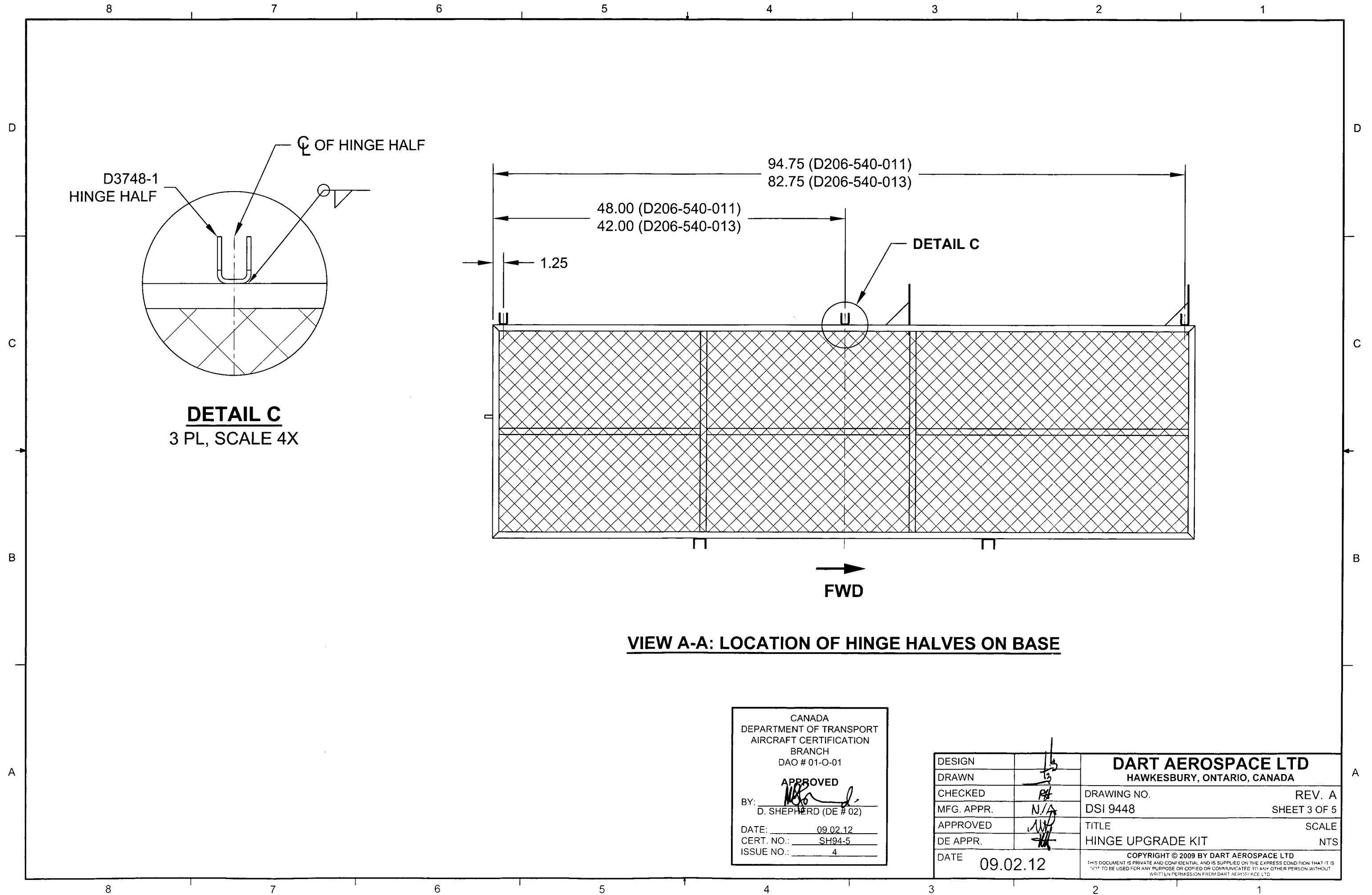
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





VIEW A-A: LOCATION OF HINGE HALVES ON BASE

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TRANSFER MARK FROM D3749-1
HINGE HALF ON LID ASSY,
DRILL Ø0.261 THRU
3 PL

0.200 PRIOR
TO DRILLING Ø0.261
THRU D3748-1 AND
D3749-1

OUTBOARD

VIEW D-D
(VIEW ROTATED 90° CCW)

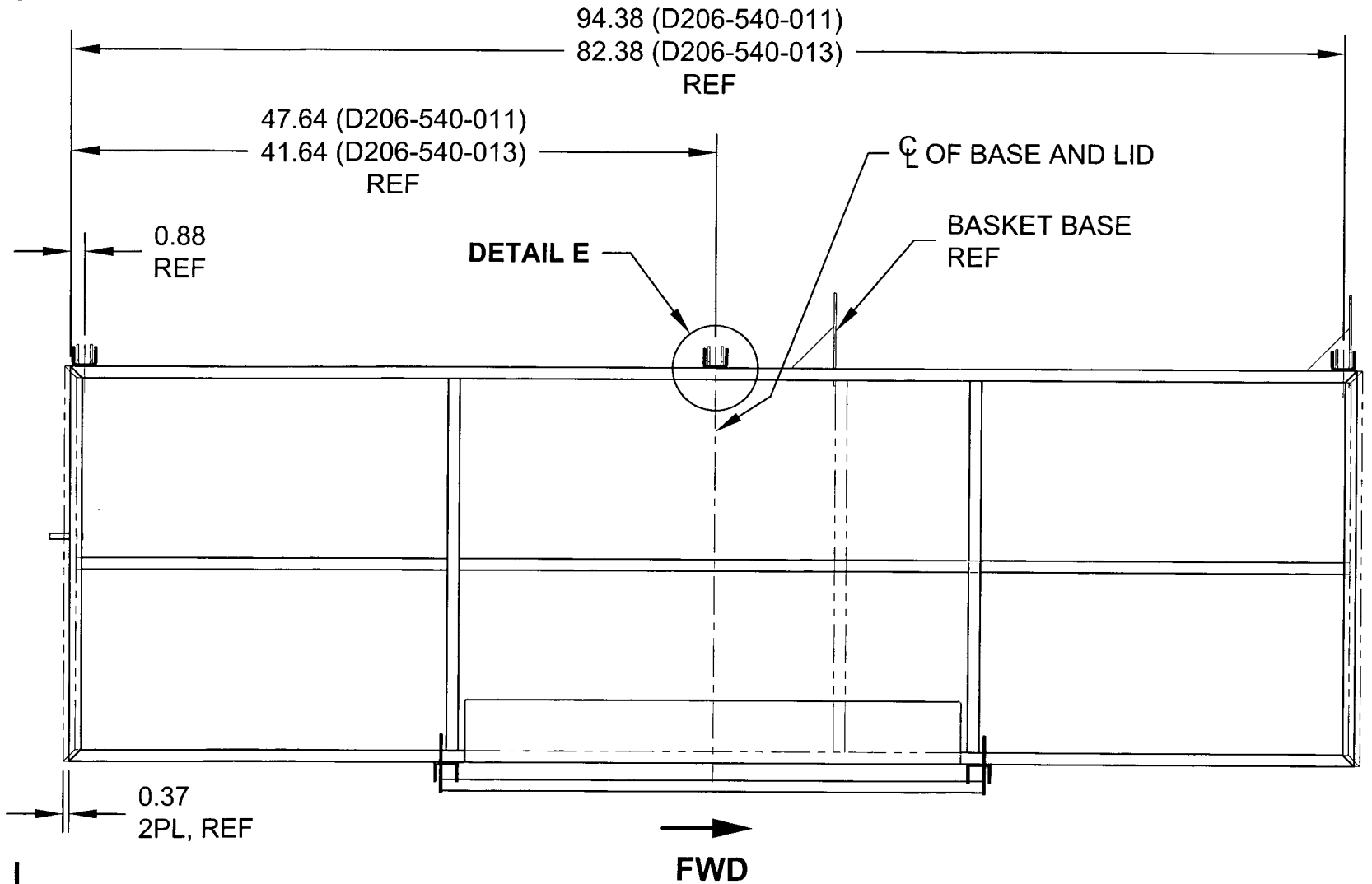
D3748-1
HINGE HALF
REF

CL OF D3748-1 (BASE)
AND D3749-1 (LID)

D3749-1
HINGE HALF

DETAIL E
3 PL, SCALE 4X

D







VIEW B-B: LOCATION OF HINGE HALVES ON LID
(MESH NOT SHOWN FOR CLARITY)

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DAO # 01-O-01

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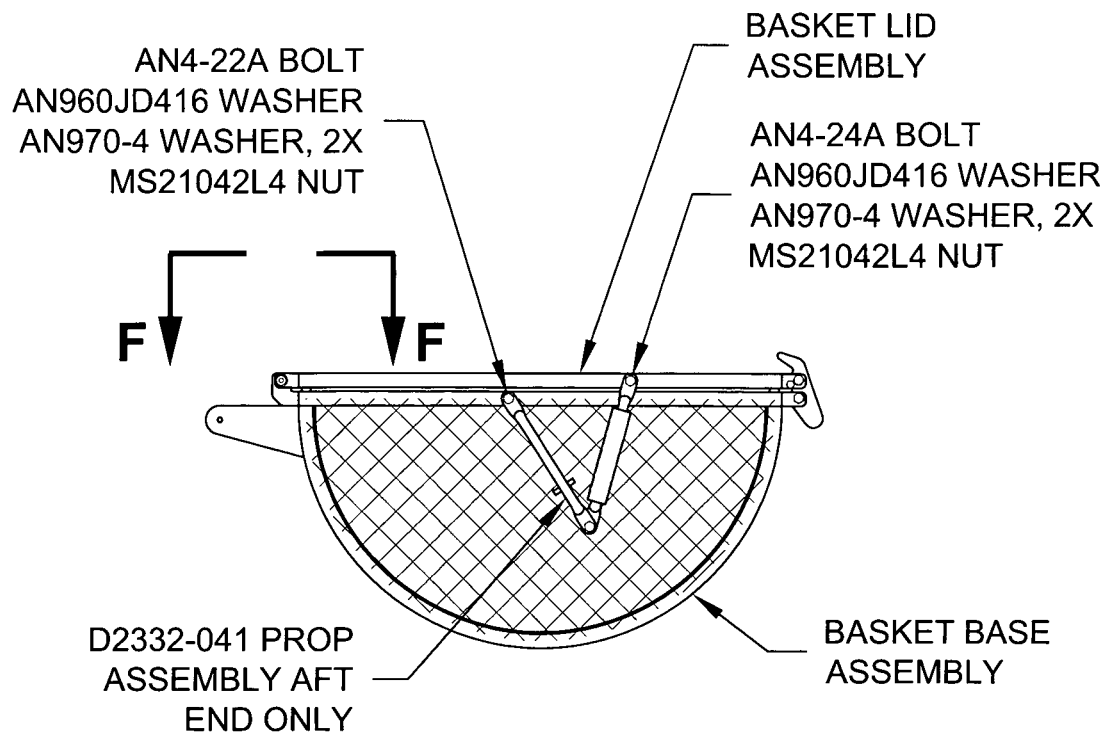
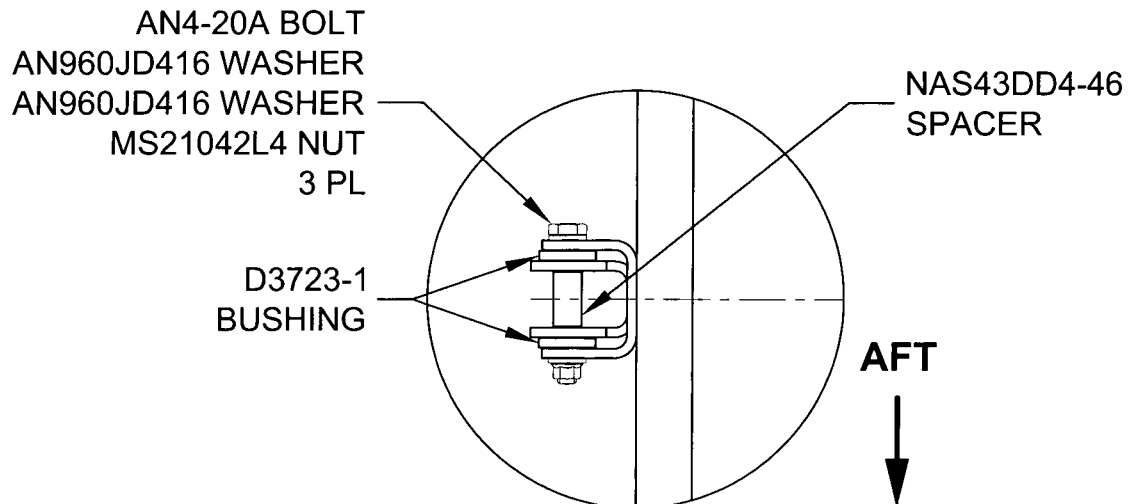


FIGURE 2: INSTALLATION OF LID ON BASE



VIEW F-F
3 PL, SCALE 4X

CANADA DEPARTMENT OF TRANSPORT AIRCRAFT CERTIFICATION BRANCH DAO # 01-O-01	
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